

## Conservation Practice Physical Effects – Wetland Enhancement (659)

Soil	Resource Problem/Consideration	Effect
1. Erosion (a) Sheet and Rill (b) Wind (c) Concentrated Flow: Ephemeral Gully (d) Concentrated Flow: Classic Gully (e) Streambank (f) Irrigation Induced (g) Soil Mass Movement (h) Roadbank and Construction Sites (i) Safety 2. Condition (a) Soil Tilth Crusting, Water Infiltration, Organic Material (b) Soil Compaction <u>Soil Contaminants</u> (c) Excess Chemical Content, Salinity, Selenium, Boron, Heavy Metals (d) Excess Animal Wastes & Other Organics (e) Excess Fertilizer (f) Excess Pesticides 3. Deposition (a) Damage: Onsite (b) Damage: Offsite (c) Safety: Onsite (e) Safety: Offsite		Slight +
		Slight +
		Slight +
		Slight +
		Slight +
		Slight +
		Negligible
		Negligible
		Not Applicable
		Slight +
		Slight +
		Slight +
		Negligible
		Moderate +
		Slight +
		Moderate +
		Moderate +
		Moderate +
		Slight +
Water	Resource Problem/Consideration	Effect
1. Quantity (a) Excess Amounts: Seeps (b) Excess Amounts: Runoff / Flooding (c) Excess Amounts: Subsurface Water (d) Inadequate Outlets (e) Water Management for Irrigated Land (f) Water management for Non-Irrigated Land (g) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Onsite (h) Restricted Capacity From Sediment Deposition in Small Water Conveyance: Offsite (i) Restricted Capacity For Sediment Deposition: Water Bodies, Streams, Lakes 2. Quality <u>Groundwater Contaminants</u> (a) Pesticides (b) Nutrients and Organics (c) Salinity (d) Heavy Metals (e) Pathogens <u>Surface Water Contaminants (Streams and Lakes)</u> (g) Pesticides (h) Nutrients and Organics (i) Suspended Sediment and Turbidity (j) Low Dissolved Oxygen (k) Salinity (l) Heavy Metals (m) Temperature (n) Pathogens (o) Aquatic Habitat Suitability		Moderate +
		Moderate +
		Moderate +
		Slight +
		Not Applicable
		Not Applicable
		Moderate +
		Moderate +
		Moderate +
		Slight +
		Slight +
		Slight +
		Negligible
		Slight +
		Moderate +
		Significant +
		Significant +
		Moderate +
		Slight +
		Moderate +
		Moderate +
		Moderate +
		Moderate +
		Significant +

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Air Resource Problem/Consideration	Effect
<b>1. Quality</b> (a) Sediment and Smoke Particulates Causing Safety Problems: Onsite (b) Sediment and Smoke Particulates Causing Safety Problems: Offsite (c) Sediment Particulates Causing Machinery Vehicle, or Structure Problems: Onsite (d) Sediment Particulates Causing Machinery, Vehicle, or Structure Problems: Offsite (e) Airborne Sediment and Smoke Particulates Causing Health Problems: Onsite (f) Airborne Sediment and Smoke Particulates Causing Health Problems: Offsite (g) Airborne Sediment Particulates Causing Conveyance Problems (h) Airborne Chemical Drift: Onsite (i) Airborne Chemical Drift: Offsite (j) Airborne Odors  <b>2. Condition</b> (a) Air Temperature (b) Air Movement (c) Humidity	Negligible Negligible Negligible Negligible Negligible Negligible Negligible Not Applicable Not Applicable Not Applicable  Slight + Slight + Moderate +
Plant Resource Problem/Consideration	Effect
<b>1. Suitability</b> (a) Plants are not well adapted to site (b) Plants are unsuitable for intended use  <b>2. Condition</b> Productivity (Kinds, Amounts & Distribution) (a) Cropland (b) Hayland and Pastureland (c) Rangeland (d) Seeded Rangeland (e) Annual Rangeland (f) Forestland (g) Other Land (Wildlife, Recreation etc.) (h) Health and Vigor (i) Plant Damage by Wind Erosion  <b>3. Management</b> (a) Establishment, Growth, and Harvest (b) Nutrient Management (c) Pests (Brush, Weeds, Insects, Diseases, and Fungi)	Significant + Significant +  Slight + Slight + Slight + Not Applicable Not Applicable Negligible Slight + Slight + Not Applicable  Negligible Negligible Slight +
Animal Resource Problem/Consideration	Effect
<b>1. Habitat</b> <u>Domestic Animals</u> (a) Food (b) Cover or Shelter (c) Quantity and Quality of Drinking Water <u>Wildlife</u> (d) Food (e) Cover or Shelter (f) Quantity and Quality of Drinking Water  <b>2. Management</b> (a) Population / Resource Balance (b) Animal Health	Moderate + Slight + Moderate +  Significant + Significant + Significant +  Moderate + Slight +